



Test Report

No. EC405737003

Date: Mar 20 2007

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NAKAGAWA ELECTRONICS (SUZHOU) LIMITED
NO.39, MIDDLE SUHONG ROAD
SUZHOU INDUSTRIAL PARK
JIANGSU
CHINA

The following sample was submitted and identified on behalf of the client as :
CRYSTAL UNIT

SGS Job No. : 1060243
Style No : HC-49SMD/ HC-49SSM
Country of Origin : CHINA
Country of Destination : ANY
Date of Sample(s) Received : MAR 14 2007
Testing Period : MAR 14 - 20 2007

Test Requested/ : - In accordance with RoHS Directive 2002/95/EC, and its amendment
Test Method : directives.
- With reference to BS EN 1122:2001, Method B for Cadmium
content. Analysis was performed by ICP.
- With reference to EPA Method 3051A/ 3052 for Lead and Mercury
contents. Analysis was performed by ICP.
- With reference to EPA Method 3060A & 7196A for Hexavalent
Chromium content. Analysis was performed by colorimetric method
(UV-VIS).
- With reference to EPA Method 3550C/ 3540C for PBBs/ PBDEs
contents. Analysis was performed by GC-MS.

Test Results : Please refer to next page.

Conclusion : - Based on the performed tests on submitted sample, the results
comply with the RoHS Directive 2002/95/EC and its subsequent
amendments.

Signed for and on behalf of
SGS Hong Kong Ltd.

Wan Chi Wai Leo
Technical Manager

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Test Results:

Test results by chemical method (Unit : mg/kg)

	1	2	MDL	Limit
Cadmium (Cd)	n.d.	n.d.	2	100
Lead (Pb)	32	5	2	1000
Mercury (Hg)	n.d.	n.d.	2	1000
Hexavalent Chromium (CrVI) by colorimetric method	n.d.	n.d.	2	1000
Sum of PBBs (Mono to Deca)	n.d.	n.d.	-	1000
Monobromobiphenyl	n.d.	n.d.	5	
Dibromobiphenyl	n.d.	n.d.	5	
Tribromobiphenyl	n.d.	n.d.	5	
Tetrabromobiphenyl	n.d.	n.d.	5	
Pentabromobiphenyl	n.d.	n.d.	5	
Hexabromobiphenyl	n.d.	n.d.	5	
Heptabromobiphenyl	n.d.	n.d.	5	
Octabromobiphenyl	n.d.	n.d.	5	
Nonabromobiphenyl	n.d.	n.d.	5	
Decabromobiphenyl	n.d.	n.d.	5	
Sum of PBDEs (Note 4)	n.d.	n.d.	-	1000
Sum of PBDEs (Mono to Deca)	n.d.	n.d.	-	
Monobromodiphenyl ether	n.d.	n.d.	5	
Dibromodiphenyl ether	n.d.	n.d.	5	
Tribromodiphenyl ether	n.d.	n.d.	5	
Tetrabromodiphenyl ether	n.d.	n.d.	5	
Pentabromodiphenyl ether	n.d.	n.d.	5	
Hexabromodiphenyl ether	n.d.	n.d.	5	
Heptabromodiphenyl ether	n.d.	n.d.	5	
Octabromodiphenyl ether	n.d.	n.d.	5	
Nonabromodiphenyl ether	n.d.	n.d.	5	
Decabromodiphenyl ether	n.d.	n.d.	5	

Note:

- (1) mg/kg = ppm
- (2) MDL = Method Detection Limit
- (3) n.d. = Not Detected
- (4) Sum of Mono to NonaBDE & according to 2005/717/EC DecaBDE is exempt.
- (5) - = Not Regulated
- (6) -- = Not Conducted

Sample Description

- 1 Silvery Metal w/ Transparent Crystal w/ Green Glass (Body) w/ Silvery Metal (Pin)
(HC-49SMD/HC-49SSM Oscillator)
- 2 Black Plastic (HC-49SMD/HC-49SSM)

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Sample photo:

EC405737003 (Sample 1-2)



SGS authenticate the photo on original report only

*** End Of Report ***

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